

INTERNATIONAL SEARCH REPORT

International application No.
PCT/NZ2003/000281

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: E04B 1/35, B66F 3/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPAT (IPC marks: E04B 1/35, B66F 3/08 and keywords: jack, slab and like terms)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 5644893 A (NEIGHBOURS) 8 July 1997 (This document is mentioned in the description) Whole document Column 5 lines 1 - 8	1 - 24 25 - 40
X	US 2867111 A (YOUTZ) 6 January 1959 (This document is cited in US 5644893) Column 3 lines 25 - 37, column 4 lines 4 - 75	1 - 8
X	GB 1065542 A (HEIDENSTAM) 19 April 1967 Page 5 line 96 - 112, Figure 1A	1 - 8
A	GB 1278515 A (SAETHER) 21 June 1972 Page 4 line 105 - page 5 line, 25.	1 - 8
A	US 4301630 A (BURKLAND) 24 November 1981 Abstract	1 - 8

☐ Further documents are listed in the continuation of Box C

☒ See patent family annex

* "A"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search
7 April 2004

Date of mailing of the international search report
15 APR 2004

Name and mailing address of the ISA/AU
AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaustalia.gov.au
Facsimile No. (02) 6285 3929

Authorized officer
JASON PREMNATH
Telephone No : (02) 6283 2127

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Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos :
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos :
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos :
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

The claims 1 - 24 relate to a system/ method of lifting a concrete slab. It is considered that "the connection means comprising support means for connecting the slab and the shaft, means for effecting longitudinal travel of the slab, position sensors and means for controlling the jack whereby the jacks move in a synchronised manner" comprises the first special technical feature.

The claims 25 - 40 relate to a jack/ method of lifting a concrete slab. It is considered that " a shaft, a ball screw arrangement and a support device for supporting the shaft to prevent toppling" comprises the second special technical feature.

Since these groups of claims do not share any of the special technical features identified, a technical relationship between the inventions does not exist. Accordingly the claims do not relate to one invention or to a single inventive concept.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.☐ No protest accompanied the payment of additional search fees.

Information on patent family members

PCT/NZ2003/000281

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	5644893	AU	30768/92	GB	2276411	WO	9311315
US	2867111						
GB	1065542	NL	6701850				
GB	1278515	CA	919451	DE	1948985	FR	2032260
		US	3594965				
US	4301630						
END OF ANNEX							